

AL-802600-69-001

23 April 1969

Dear Ray:

We are enclosing herewith five (5) copies of the following report (classified SECRET):

25X1



Monthly Report - 1 March 1969  
through 31 March 1969.

RRW:sjm  
Encs.

*R.R.W.*  
R. R. W.

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Declass Review by NGA.

**SECRET**

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4 pages.

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25X1

MONTHLY REPORT

1 March through 31 March 1969

31 March 1969

**SECRET**

GROUP 1

EXCLUDED FROM AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

**SECRET**

25X1

[REDACTED]  
Monthly Report

PAR 249

31 Mar 69

25X1  
SUBJECT: [REDACTED] Precision Enlarger Prototype (BPE) Operational  
Improvements and Maintenance

## TASK/PROBLEM

25X1  
1. Provide photographic enlarger maintenance at the customer's facility for one [REDACTED] Precision Enlarger (BPE) and three 10-20-40X Enlargers.

## DISCUSSION

2. Contractor personnel visited the customer's facility during the week beginning 3 March 1969 to perform the monthly preventive maintenance check on the BPE. (See check list attached indicating the work performed.)

3. During this visit, the "D" lens that had been repaired at the contractor's facility (see report for February 1969) was delivered to the customer. The lens was checked to the customer's satisfaction and accepted.

4. The easel face of the BPE needs painting badly. Operators typically tape friskets to the easel face when doing production work, and when the tape is removed, the paint peels with the adhesive. It was suggested to the customer that the spare easel be used while the old easel was being repaired.

5. The customer experienced the third blown fuse in the X-Coordinate Decitrak unit. This problem plus the frequency of display-lamp burnout in the Decitrak units have become a matter of customer concern. As a result, both of these problems are now being investigated by the contractor.

## PLANNED ACTIVITY

6. Contractor personnel will visit the customer's facility during the week beginning 7 April to perform 6-month preventive maintenance (PM) on the BPE and 2-month PM on the 10-20-40X Enlargers.

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PAR 249

31 Mar 69

**PREVENTIVE MAINTENANCE SCHEDULE CHECK LIST**

PRECISION ENLARGER

Assign

25X1

✓	Item	Description
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**Daily Interval**

✓	1	Check the four indicator lamps on the sub-control panel.
✓	2.1	Check closed-negative-gate interlock.
	2.2	Check interlock that causes vertical transport slow speed.
	2.3	Check interlock that disables negative transport after fluid injection.
✓	2.4	Check operation of microswitch that functions when manual-film-movement knob is pushed in.
	3.1	Check the indicator lamps for the two attenuator banks of the easel photometer.
	3.2	Check the meter scale illuminator lamp of the easel photometer.
	3.3	Check the antifatigue lamp in photo-multiplier tube housing.
✓	4	Clean the glass plates of the negative gate.

**One-Week Interval**

✓	1	Vacuum-clean the enlarger.
	2	Check, and if necessary, clean the objective lenses and all glass filters.
✓	3	Vacuum-clean the front surface of the easel.
✓	4	Check the fiber optics for broken fibers.

✓	Item	Description
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**One-Month Interval**

✓	1	Wax the steel rails of the lens ramp and of the easel.
✓	2	Install new air filter in lamphouse.
✓	3	Clean the nylon brushes of the fluid removal system.
✓	4	Check all tubing and hoses for cracks and air leakage.
✓	5	Check and, if necessary, clean the lenses of the condenser lens assemblies.

**Six-Month Interval**

	1.1	Make a photographic check on all six matching sets of objective and condenser lens assemblies.
	1.2	Be sure that film is tracking properly in both directions on the negative transport system.
	2	Check the timing belts of the film transport system, of the vertical drive system, and of the easel drive assembly for wear.

Checked

Date 5 Mar 69

Changed 2/68

## REMARKS:

Paint on the easel face has been "picked off" in several places because operators tape friskets to the easel; this problem was brought to the attention of [ ] who is in charge in the absence of [ ]

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